

Date: Sat, 13 Aug 94 17:58:52 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #911
To: Info-Hams

Info-Hams Digest Sat, 13 Aug 94 Volume 94 : Issue 911

Today's Topics:

A45ZZ QSL Info
Broken Kenwood TM-641A; Any ideas?
Buffalo callsign server
Crossband repeating rigs & auto IDers
CT software BBS
MARS Radio System Mailing List
Need Rx/Tx mods for Yeasu FT5100
Qs on no code FCC license and Hardware
RF hazards (2 msgs)
VOA Internet Audio Debuts Aug. 15
WANTED: IC-290-A mic (2 msgs)
Which HAM callsign CD ROM is best?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 11 Aug 94 12:42:44 -0230
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!swrinde!howland.reston.ans.net!
spool.mu.edu!torn!news.unb.ca!coranto.ucs.mun.ca!leif!jcraig@network.ucsd.edu
Subject: A45ZZ QSL Info
To: info-hams@ucsd.edu

In article <6e.2816.332.0N666817@cencore.com>, forrest.gehrke@cencore.com (Forrest
Gehrke) writes:

> I worked A45ZZ on 75M some months ago and have found no
> information on how he may be Qsl'd. Anyone know?
>

is the address on his card which I received a while back from a 160m qso
of feb '93.
73 Joe, VO1NA

The squelch function on my 641A suddenly stopped working. The 220 module is constantly in open-squelch mode with receiver white noise present. Turning the knob has no effect. It still receives and transmits. I took apart the control head and verified that the squelch potentiometer is functional with a high and low resistance identical to the the pots for the other band modules. It is not an RF interference problem because it happens on all frequencies and from any location. It suddenly happened when I started my car this morning. The rig goes straight to the battery. Did a voltage spike trash the 220 module or something. I tried re-initializing the 220 module with no success.

Don

Don	Irving	N6DRB	<don.irving@rahul.net>		223.52s (67.0)
Pat	Irving	KC6SSP	<pat.irving@rahul.net>		San Jose CA

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Sorry guys, it's working. Somethings wrong with our telnet.
Shel
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Date: Thu, 11 Aug 94 02:03:35 GMT
From: news2.new-york.net!starcomm.overleaf.com!n2ayj!n2ayj@uunet.uu.net
Subject: Crossband repeating rigs & auto IDers
To: info-hams@ucsd.edu

In article <32966a\$504@agate.berkeley.edu> kennish@kabuki.EECS.Berkeley.EDU
writes:

>
>This would be legal, if you could get it to repeat both ways. The
>common application of xband repeat is this. You have a dual band
>mobile and a 440 HT. You want to go fishing. Park car, and set up
>mobile to do x-band repeat as follows:
>
>In: 446.0 (for example) Out: 2m repeater's input frequency
>In: 2m repeater's output frequency Out: 446.0
>
>OK, so now you have a 440 extender you can take down to the canyon where
>the fish are...

You are correct, sir, but the original post implied to me that there
was not a regular repeater involved (2m simplex was mentioned). I don't
think it was so much a case of a "repeater extender" that was being
sought as a high-up kick to get around the hills and out of the
dales*. If this were the case...

2m HT---> 2m x 440 mobile---> 440 HT
and
440 HT---> 440 x 2 mobile---> 2m HT

wouldn't the two-rigs constitute a SINGLE repeater? As long as
each op ID'ed "The Repeater", you have an id on each freq, thus are legal.

The other vision is a single mobile x-banding with the "base" on
one freq and the field guys on the other. Since the x-band radio
transmits both ways, the same "WX2ABC repeat" tagged onto a call in
either direction should also meet the requirements. (Remote control of
The Repeater is a whole other matter, but if WX2ABC just sat in the car...)

Or am I making this harder than it has to be?

--

Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com
* "Bertha's Kitty Boutique, in the Dales - Mondale, Chippendale, RoyandDale,
and other fine shopping centers." - Garrison Keillor, A PRAIRIE HOME COMPANION

Date: Sat, 13 Aug 94 19:37:05 -0500
From: news.delphi.com!usenet@uunet.uu.net
Subject: CT software BBS
To: info-hams@ucsd.edu

Les Zaraza <zaraza@gdc.com> writes:

>Does anyone have the number for the CT contest software BBS.
>(603)465-2161 is no longer in service and their Voice number
>does not answer. I am looking for updated country list for
>version 8 program.
>
>tnx,

The new number is 508-460-8877
73,
Dave West (WU3J@DELPHI.COM

Date: Sun, 07 Aug 94 20:30:45 MST
From: agate!howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!jobone!ukma!
asuvax!ennews!stat!david@ames.arpa
Subject: MARS Radio System Mailing List
To: info-hams@ucsd.edu

Welcome!

You have joined the MARS-list@stat.com The purpose of this server is to
allow discussion about MARS (Military Affiliated Radio Service) activities.
The list is open to all branches of MARS.

To Send Mail To Be Distributed To All Subscribers:

mars-list@stat.com

And Send Normal Subject And Text.

To Add Yourself To This List, Please Send Electronic Mail To:

listserv@stat.com

And Include The Command:

subscribe mars-list

As The First Line of Your Message.

To Remove Yourself From This Server, Please Send Electronic Mail To:

listserv@stat.com

And Include The Command:

Unsubscribe mars-list

As The First Line of Your Message.

Requests For Help Should Be Sent To:

mars-list-request@stat.com

Editor, HICNet Medical Newsletter

Internet: david@stat.com

FAX: +1 (602) 451-1165

Bitnet : ATW1H@ASUACAD

Date: Wed, 10 Aug 94 02:58:30 EST

From: nntp.ucsb.edu!mustang.mst6.lanl.gov!nntp-server.caltech.edu!netline-
fddi.jpl.nasa.gov!elroy.jpl.nasa.gov!sdd.hp.com!spool.mu.edu!news.nd.edu!
news1.oakland.edu!rcsuna.gmr@ihnp4.ucsd.edu

Subject: Need Rx/Tx mods for Yeasu FT5100

To: info-hams@ucsd.edu

if you are aware of any mods for this dual bander, please let me know either
here, or call me at 1-800-597-2280. thanx

Date: 13 Aug 94 23:49:49 GMT

From: news-mail-gateway@ucsd.edu

Subject: Qs on no code FCC license and Hardware

To: info-hams@ucsd.edu

>I know this question has probably been ask a hundred times before but IJam
>new to amateur radio, and internet, and IJwant to know exactly what
>frequencies you can operate on with the no code license. Such as 2m,
>220mhz, 440mhz 6m, etc..?

see any of the study guides for an answer on this one....the technician
license will let you operate on all frequencies amateurs can use above 30 MHz.
that's more frequencies than i want to type in just right now...8)

>Also, what brand(s) of handheld and desktop
>radios are the popular ones. I want something that is going to be reliable
>and have user friendly features.

for HT type radios -- low cost: Radio Shack HTX-202 when it's on sale (call
Marymac for a discounted price...). I had one (was stolen) and it performed
excellently - outperforming big name radios in many environments. I also have
a Yaesu FT-530, FT-727R, FT-109RH. the 2m FM base radio is a Yaesu FT-2400H.
Probably any of the current crop are ok for basic operation..the FT-2400 has
been replaced by the FT-2500 with a better front panel layout, i think and
there's a UHF twin called the FT-7400 (i think) that's next on the shopping
list.

>One more thing, I need recommendations on
>amateur radio and satellite magazines.

ham radio: the usual suspects:

CQ, 73, QST, Communications Quarterly, Worldradio, etc.

off hand i don't have the name of AMSAT's publication that would probably be
the thing to have for amateur satellite work...

73, bill wb9ivr

Date: 12 Aug 1994 17:27:33 GMT
From: lll-winken.llnl.gov!sundance.llnl.gov!fastrac.llnl.gov!usenet.ee.pdx.edu!
news.reed.edu!usenet@ames.arpa
Subject: RF hazards
To: info-hams@ucsd.edu

twp77@isuvax.iastate.edu writes:

>Turning on a radio to *listen* does not produce more EM waves.

While I agree that jury is definately still out on biological
effects of RF. The speaker on the reciever at least is going to

produce EM waves (but probably not RF waves), if the reciever is poorly sheilded it may emit all sorts of EM waves.

Unfortunately RF has become another issue like ionizing radiation which many people get hysterical over before doing any homework. However, taking reasonable precaustions to minimize your RF exposure untill some more definiative answers come out does not seem unreasonable.

(None of the above intended as a flame, just my \$0.02)

End of line...

jfilner@reed.edu

Waiting on the FCC : (

Date: Fri, 12 Aug 1994 19:39:05 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!agate!spool.mu.edu!howland.reston.ans.net!
usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!olivea!news.bu.edu!gw1.att.com!
nntpa!not-for-mail@network.ucsd.edu
Subject: RF hazards
To: info-hams@ucsd.edu

jfilner (jfilner@reed.edu) wrote:
: twp77@isuvax.iastate.edu writes:

: While I agree that jury is definately still out on biological
: effects of RF. The speaker on the reciever at least is going to
: ^^^
: produce EM waves (but probably not RF waves), if the reciever is
: ^^^
: poorly sheilded it may emit all sorts of EM waves.
: jfilner@reed.edu

No,NO, NO! The speaker produces air PRESSURE waves which can at sufficient volumes break the stalk like receptors in your ears and result in hearing loss. Now that might be one of the few established links to the danger of RF! And RF (radio frequency) waves ARE EM (electro magnetic) waves at particular frequencys (radio). 'nuff said for now.
Shel WA2UBK

Date: 12 Aug 1994 16:16:12 GMT
From: thecourier.cims.nyu.edu!longlast.cs.nyu.edu!jackson@nyu.arpa
Subject: VOA Internet Audio Debuts Aug. 15

To: info-hams@ucsd.edu

|> > So, if we are in the states, we technically cannot download the files?
|>
|> Or tune the radio to VOA?

Yeah, really! Why do they have so many *down*link sites in the U.S. if we can't listen? And what about VOA Africa edition? Is that for Africans to listen to how we interpret what's going on on their continent?

Something's amiss.

--

Steven Jackson, Assistant to the Chair of Computer Science
Courant Institute of Mathematical Sciences, New York University
251 Mercer Street, NY NY 10012

Work <-- (forwarded) Home
jackson@cs.nyu.edu, jcksnste@acfccluster.nyu.edu, sjackson@cjbbs.com

Date: Mon, 8 Aug 1994 05:44:28 GMT
From: agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!benacp@ames.arpa
Subject: WANTED: IC-290-A mic
To: info-hams@ucsd.edu

Howdy all,

I have an old IC-290-A 2m All-mode. I need a touch-tone mic for it I know it was at east an HM-1, but I can't remember if it had a letter after the one or not. Icom has seen fit to obsolete the mic and the current 8 pin mic does not work with the IC-290-A.

I know there were several assessories that were made for it and if they are available somewhere I'll consider them as well.

I have an IC2AT and a IC-551-D that I am looking for working parts and assessories for as well.

I haven't been active for 5 years, but all my equipment stills works I just want to make sure they continue to do so. To that end if anyone has any service manuals (except the 2AT's) they'd be willing to part with I will purchase them as well.

The most important thing is the mic for the IC-290-A. Please e-mail me at benacp@netcom.com or via Compuserve at 74151,2703.

73's and thanks in advance
Pete N2BLY.

PS I don't believe I'll be leaving this hobby again.

--

Peter P. Benac
North Winds Systems, Inc

Specializing in Custom Data Communications Solutions for DOS and Unix
Voice: 1-315-598-9212
Compuserve: 74151,2703
Internet: benacp@netcom.com

Date: Mon, 8 Aug 1994 05:52:15 GMT
From: agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!benacp@ames.arpa
Subject: WANTED: IC-290-A mic
To: info-hams@ucsd.edu

Oh yes, while I got your attention. Please add the IC-4AT to the list
of the impossible I want. I don't really care if the 4AT works, but of course
I won't pay as much for it :)

Anyone has the manual for the IC-4AT that would be a real help too.

73's
Pete N2BLY

--

Peter P. Benac
North Winds Systems, Inc

Specializing in Custom Data Communications Solutions for DOS and Unix
Voice: 1-315-598-9212
Compuserve: 74151,2703
Internet: benacp@netcom.com

Date: 11 Aug 1994 15:11:18 GMT
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!swrinde!howland.reston.ans.net!agate!
cat.cis.Brown.EDU!noc.near.net!jericho.mc.com!fugu!levine@network.ucsd.edu
Subject: Which HAM callsign CD ROM is best?
To: info-hams@ucsd.edu

>I'm looking for inputs from anyone on which CD ROM containing Amateur
>call signs is the best. I am particularly interested in the quality and
>ease of use of the corresponding search utilities with these CD ROMS.
>I'm looking for the most powerfull search utility available. I have
>seen some of these CD ROMs and am disappointed in the limitations in
>the search utilities.
>
>
>Thanks in advance.
>

>Paul N6HCS
>carreiro@netcom.com
>N6HCS @ N0ARY.#NOCAL.CA.USA.NA

Glad you asked!

It all depends on what you require.

For example, HamCall by Buckmaster is tbe best if you want to include DX callsigns. They have over 350,000 DX callsigns. HamCall is supported by the most number of logging programs also. Buckmaster is also the most expensive. From the manufacturer direct, HamCall costs \$55.00 shipped. From my company, Radio Devices it is \$41.95 shipped. HamCall has the best search utility. The Folio search program lets you search the database by any part of the record. A search for "gomer" produced 18 matches. The first was:

CALL SIGN: KB0KR
LICENSE CLASS: NOVICE
EXPIRATION DATE: 11/09/2003
YEAR OF BIRTH: 76
NAME: Qkinya D Harrison
STREET: 308 Gomer Rd
CITY/STATE/ZIP: Clarksville, TN 3704

None other has such a search mechanism that I've found.
The executable in the root directory for the SEARCH routine is "ham.exe"

QRZ! from Walnut Creek runs a close second. The new Summer release contains some DX callsigns, but not nearly as many as Buckmaster. The Summer release contains the May 1994 FCC release of the callsign database. (I think that was the latest one). 3rd

party programmers seem to like interfacing to QRZ!
and it is alledgedley the fastest CDRom lookup,
although they are all under 2 seconds in my 1x cdrom
drive anyway. QRZ! is \$34.95 shipped from Walnut
Creek, \$24.95 shipped direct from the author, or
\$21.95 from Radio Devices. QRZ! also contains a
very nice Windows interface to the callsign lookup.
Recently QRZ! has had a big following because of
the attractive price. You can buy QRZ! twice per
year for about the same price as 1 HamCall. Good
deal if you DONT want the extensive DX Calls.

SAM is another manufacturer of a callsign database
CDROM that sells for \$39.95 I think. However, they
require their dealers to sign a statement saying they
will NOT discount the price. Since all of the CDRoms
have high margins, I try to sell for the lowest possible
price to keep in business, so I refuse to sell SAM.

Obviously the CDRoms have lots of other stuff the
manufacturers cram on there just because the space is
there. Some useful things you can find are shareware,
radio mods, and of course Usenet postings. HamCall and
QRZ! both are about 500MB total. QRZ! includes many .WAV files
so you can play and then hear what AMTOR etc... is supposed to
sound like. The best method to consume MB I have ever seen.

Just as an aside, Buckmaster also publishes the Electronic
Software Compendium CDRom which has exclusively shareware,
demos, radio mods, etc... The shareware on the HamCall is a
subset of this ESC CDRom. The ESC is \$30.00 from BuckMaster
and \$24.95 from Radio Devices.

Again, let me emphasize all prices I mention in this posting
include shipping. (Buckmaster and Walnut Creek also include
something they call Handling)

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

Date: 13 Aug 1994 16:12:13 GMT
From: illuminati.io.com!news.tamu.edu!gerry@uunet.uu.net

To: info-hams@ucsd.edu

References <32bqoe\$ur@eis.calstate.edu>, <32ggg8\$hsh@hollywood.cinenet.net>,
<1994Aug13.082514.868@ke4zv.atl.ga.us>
Subject : Re: Homebrew Global Positioning System (GPS)

In article <1994Aug13.082514.868@ke4zv.atl.ga.us>,
Gary Coffman <gary@ke4zv.atl.ga.us> wrote:

>In article <32ggg8\$hsh@hollywood.cinenet.net> maustin@hollywood.cinenet.net (Mark Austin) writes:

>>

>>I had an idea. How about linking up a GPS with a cellular phone and

>>...

>>signal but you'd be able to find where someone is on demand (if they're

>>within cellular calling range). Such a setup could last for a LONG

>>time with the proper battery.

Everyone should have an idea occasionally... :=)

Well, this is, unfortunately, not a new idea. The similar systems I'm already familiar with sell for ~\$2000, which tells me that they are costing about \$1k for hardware PLUS s/w and R&D. And don't have much markup.

>You aren't going to be able to get a GPS and cell phone for a couple
>hundred dollars. The cheapest GPS receivers are around \$400, and so
>are cell phones unless you roll their cost into a long term service
>contract. And monthly and per minute cell phone charges will mount
>up fairly rapidly. By using packet radio, amateur or commercial,
>you can send position updates on a regular basis without incurring
>quite as much cost.

Actually, if you shop carefully, the DGPS without a fancy display costs \$318. Quantity 1. It's a Motorola VP Encore core module, and it runs on 5 VDC (regulated), puts out TTL levels, and can receive RTCM-104S differential updates with Option B installed (for no cost, I might add!). Further, with Option B, it will put out the differential correction data, acting as a reference station, albeit in Motorola's Proprietary Binary format. The developers' manual has the full data format, making translation to the standard format pretty straightforward.

The cellphone could be the hard part, from a cost perspective. I've not looked into that, because there aren't too many cell sites near the ranch I'm where I'm putting GPS's on cows.

>DeLorme Mapping and City Streets are a couple of commercial map
>systems that work with GPS. However, APRS (Automatic Packet Reporting
>System) is in some ways better. While it lacks the friendly user
>interface of the commercial products, and it's pre-made map databases

>are skimpy, you can make your own maps, and it works with local and
>remote GPS receivers (using packet UI frames for the latter). It also
>supports other information about the remote sites such as range and
>bearing data from DF equipment, and arbitrary text messages.

Very true. In fact, it's seriously impressed the GIS institute here at Texas
A&M (Nice Job, Bob!).

>However, what many of us want is *differential* GPS. The Coast Guard,
>FAA, and others send out position deltas from a fixed benchmark
>receiver that are received and used to correct the reading of the local
>GPS receiver. These transmissions are either at MF or VHF depending on
>the system. A special receiver is required, and either a GPS receiver
>designed to work with differential signals, or a PC that can take the
>timestamped position reports and reconcile them via software, is used
>to give a true position. This method removes the deliberate SA jitter,
>and other error sources such as varying atmospheric propagation factors,
>from the position data. This allows much greater precision in determining
>location than raw GPS alone.

Er. Ah. See above. Differential is getting easier and cheaper. A local ham
club could go together, get a cheap GPS core, throw together an embedded PC
clone for translation, and broadcast the results on packet. Now, if you want
to get really fancy, use carrier-phase to get the roaming units a little
smoother, AND incorporate DGPS.

>It would be nice if the APRS author would support this mode in his
>software. Some of us are willing to set up benchmark receivers on
>the amateur bands. That timestamped data could be used to correct
>the positions reported by the rover receivers over packet.

And, of course, if you want to, one can log DGPS corrections over a local area
and post-process the logged fixes from the mobile units, to give DGPS
corrected data. That's one of the standard methods used today. I don't
personally think APRS is the appropriate place for DGPS post-processing
corrections...

73, gerry

Gerry Creager N5JXS

gerry@cs.tamu.edu

Cows In Space: Bovine location services with sub-bovine accuracy.

--

Gerry Creager N5JXS

gerry@cs.tamu.edu

gcreager@gothamcity.jsc.nasa.gov

* SAREX Co-Investigator

* A little radio that lets kids talk

* to astronauts, and smile

End of Info-Hams Digest V94 #911
